

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 45   | ("3919535"   "4075704"   "4488252"   "4660143"   "4683547"   "4866651"   "4926370"   "4943940"   "4945505"   "4969118"   "4999802"   "4999803"   "5202972"   "5241493"   "5253195"   "5257215"   "5311458"   "5333287"   "5341319"   "5341321"   "5369607"   "5375078"   "5530663").PN. OR ("5880983").URPN. | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2009/09/24 13:07 |
| L2    | 2452 | align\$3 and @ad<"20040408" and (floating-point\$1 or (floating adj point\$1) or floatingpoint\$1) and multiplex\$3 and shift\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/09/24 13:14 |
| L3    | 1483 | L2 and (multiplier\$1 or multiplication) and (adder \$1 or addition)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/09/24 13:14 |
| L4    | 435  | L3 and (align\$3 with shift \$3)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/09/24 13:14 |
| L5    | 192  | L4 and "708"/\$.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/09/24 13:14 |
| L6    | 106  | L5 and (multiplication or multiplier\$1 or multiplying).ti,clm,ab.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/09/24 13:14 |

|    |     |  |   |    |    |                     |
|----|-----|--|---|----|----|---------------------|
| L7 | 230 | fused adj multiply   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/24<br>13:14 |
| L8 | 76  | L7.ti,clm,ab.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/24<br>13:14 |
| L9 | 24  | L8 and sticky  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/24<br>13:14 |
| S1 | 319 | (dhong and sang).in. or<br>(mueller and silvia).in. or<br>(nishikawa and hiroo).in.<br>or (oh and (hwa-joon).in.)<br>and (floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1)      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2007/07/16<br>13:19 |
| S2 | 319 | (dhong and sang).in. or<br>(mueller and silvia).in. or<br>(nishikawa and hiroo).in.<br>or (oh and (hwa-joon).in.)<br>and (floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1).clm. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2007/07/25<br>18:43 |
| S3 | 21  | ((dhong and sang).in. or<br>(mueller and silvia).in. or<br>(nishikawa and hiroo).in.<br>or (oh and hwa-joon).in.)<br>and (floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1).clm. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2007/07/16<br>13:38 |
| S4 | 131 | 708/501,523.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2007/07/26<br>11:10 |
| S5 | 71  | align\$3 and S4  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2007/07/16<br>13:50 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S6  | 38  | ("3919535"   "4075704"  <br>"4488252"   "4660143"  <br>"4683547"   "4866651"  <br>"4926370"   "4943940"  <br>"4945505"   "4969118"  <br>"4999802"   "4999803"  <br>"5202972"   "5241493"  <br>"5253195"   "5257215"  <br>"5311458"   "5333287"  <br>"5341319"   "5341321"  <br>"5369607"   "5375078"  <br>"5530663").PN. OR<br>("5880983").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/07/16<br>13:50 |
| S7  | 31  | ("4879676"   "5204828"  <br>"5375078"   "5517438"  <br>"5530663"   "5633819"  <br>"5751621"   "5757687"  <br>"5867413"   "5880983"  <br>"5880984"   "5993051"  <br>"5996066"   "5999960").<br>PN. OR ("6275838").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/07/16<br>13:56 |
| S8  | 339 | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and align<br>\$3 and (multiplier\$1 or<br>multiplication or<br>multiplying) and exponent<br>\$1 and shift\$3  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/07/16<br>13:58 |
| S9  | 247 | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and align<br>\$3 and (multiplier\$1 or<br>multiplication or<br>multiplying) and exponent<br>\$1 and shift\$3 and<br>multiplex\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>10:37 |
| S10 | 81  | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and align<br>\$3.clm,ab,ti. and<br>(multiplier\$1 or<br>multiplication or<br>multiplying) and exponent<br>\$1 and shift\$3 and<br>multiplex\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/16<br>13:59 |

|     |      |  |   |    |    |                     |
|-----|------|--|---|----|----|---------------------|
| S11 | 211  | S9 not S5  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/16<br>13:59 |
| S12 | 60   | S10 not S5   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/16<br>13:59 |
| S13 | 29   | ("4999801"   "4999802"  <br>"5042001"   "5157624"  <br>"5220524").PN. OR<br>("5341321").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/07/16<br>14:04 |
| S14 | 285  | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1).clm,ti,ab.<br>and align\$3 and multiplex<br>\$3 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/16<br>14:05 |
| S15 | 197  | S14 and ((multiplication<br>or multiplying or multiplier<br>\$1) with (add\$3 or<br>addition or adder\$1))   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/16<br>14:06 |
| S16 | 79   | S14 and ((multiplication<br>or multiplying or multiplier<br>\$1) with (add\$3 or<br>addition or adder\$1)).ti,<br>clm,ab.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/16<br>14:06 |
| S17 | 2378 | align\$3 and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and<br>multiplex\$3 and shift\$3                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2007/07/25<br>17:57 |
| S18 | 1428 | S17 and (multiplier\$1 or<br>multiplication) and (adder<br>\$1 or addition)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | ON | 2007/07/25<br>17:59 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S19 | 427 | S18 and (align\$3 with shift \$3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/25<br>18:00 |
| S20 | 187 | S19 and "708"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/25<br>18:00 |
| S21 | 104 | S20 and (multiplication or multiplier\$1 or multiplying).ti,clm,ab.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/25<br>18:00 |
| S22 | 0   | ("2004/0122886").URPN.   | USPAT   | OR | ON | 2007/07/25<br>18:01 |
| S23 | 6   | ("5150320"   "5347481"   "5880983"   "5999960"   "6099158"   "6446104").PN. OR ("6697833").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/07/25<br>18:07 |
| S24 | 38  | ("3919535"   "4075704"   "4488252"   "4660143"   "4683547"   "4866651"   "4926370"   "4943940"   "4945505"   "4969118"   "4999802"   "4999803"   "5202972"   "5241493"   "5253195"   "5257215"   "5311458"   "5333287"   "5341319"   "5341321"   "5369607"   "5375078"   "5530663").PN. OR ("5880983").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/07/25<br>18:08 |
| S25 | 16  | ("20030065698"   "4800516"   "5880983"   "5940311"   "6029243"   "6044391"   "6122721"   "6405231").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/25<br>18:44 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S26 | 247 | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and align<br>\$3 and (multiplier\$1 or<br>multiplication or<br>multiplying) and exponent<br>\$1 and shift\$3 and<br>multiplex\$3 and align\$3                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:02 |
| S27 | 81  | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and align<br>\$3 and (multiplier\$1 or<br>multiplication or<br>multiplying) and exponent<br>\$1 and shift\$3 and<br>multiplex\$3 and align\$3.<br>clm,ab,ti.              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>10:38 |
| S28 | 13  | ("5493684"   "5666537"  <br>"5666539"   "5726921"  <br>"5951689"   "6035315"  <br>"6275838"   "6311261"  <br>"6388672"   "6542916"  <br>"6697832"   "6904446"  <br>"6922714").PN. OR<br>("7058830").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/07/26<br>10:58 |
| S29 | 66  | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and align<br>\$3 and (multiplier\$1 or<br>multiplication or<br>multiplying) and exponent<br>\$1 and shift\$3 and<br>multiplex\$3 and align\$3<br>and bypass\$3            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:02 |
| S30 | 12  | "708"/\$.ccls. and<br>@ad<"20040408" and<br>(floating-point\$1 or<br>(floating adj point\$1) or<br>floatingpoint\$1) and align<br>\$3 and (multiplier\$1 or<br>multiplication or<br>multiplying) and exponent<br>\$1 and shift\$3 and<br>multiplex\$3 and align\$3<br>and bypass\$3.clm,ab,ti. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:02 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S31 | 466 | 708/490, "501,523".ccls. and @ad<"20040408" and (floating-point\$1 or (floating adj point\$1) or floatingpoint\$1) and align \$3 and (multiplier\$1 or multiplication or multiplying) and exponent \$1 and shift\$3 and multiplex\$3 and bypass\$3 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:11 |
| S32 | 14  | 708/490,501,523.ccls. and @ad<"20040408" and (floating-point\$1 or (floating adj point\$1) or floatingpoint\$1) and align \$3 and (multiplier\$1 or multiplication or multiplying) and exponent \$1 and shift\$3 and multiplex\$3 and bypass\$3    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:14 |
| S33 | 0   | (power adj sav\$4) and S26   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:15 |
| S34 | 13  | (power adj sav\$4) and S31   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:19 |
| S35 | 10  | NAN and S31  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:23 |
| S36 | 296 | zero\$1 and S31  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:23 |
| S37 | 126 | detect\$3 and S36  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26<br>11:24 |

|     |      |   |   |    |    |                     |
|-----|------|---|---|----|----|---------------------|
| S38 | 600  | "708"/\$.ccls. and @ad<"20040408" and (floating adj point\$1) and align\$5 and (multiplier\$1 or multiplication) and (adder\$1 or addition or adding) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/12<br>13:06 |
| S39 | 51   | 708/490,523.ccls. and S38   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/12<br>13:09 |
| S40 | 2418 | align\$3 and @ad<"20040408" and (floating-point\$1 or (floating adj point\$1) or floatingpoint\$1) and multiplex\$3 and shift\$3                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>00:13 |
| S41 | 1456 | S40 and (multiplier\$1 or multiplication) and (adder \$1 or addition)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>00:13 |
| S42 | 432  | S41 and (align\$3 with shift \$3)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>00:13 |
| S43 | 190  | S42 and "708"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>00:13 |
| S44 | 105  | S43 and (multiplication or multiplier\$1 or multiplying).ti,clm,ab.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>00:13 |
| S45 | 2    | "5880983".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>00:15 |



|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S46 | 16  | (US-20040122886-\$ or US-20020124037-\$).did. or (US-5880983-\$ or US-6275838-\$ or US-5880984-\$ or US-5375078-\$ or US-4999802-\$ or US-5341321-\$ or US-7058830-\$ or US-6697833-\$ or US-6751644-\$ or US-5471410-\$ or US-6970994-\$ or US-7228325-\$ or US-RE39385-\$ or US-6480872-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/21<br>00:36 |
| S47 | 8   | S46 and aligner\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>00:36 |
| S48 | 1   | "02102853.5"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>09:55 |
| S49 | 206 | fused adj multiply   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>09:56 |
| S50 | 71  | S49.ti,clm,ab.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>09:56 |
| S51 | 22  | S50 and sticky   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>09:56 |
| S52 | 0   | "5726923pn."   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>10:31 |

|     |    |   |   |    |    |                     |
|-----|----|---|---|----|----|---------------------|
| S53 | 2  | "5726923".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>10:32 |
| S54 | 17 | (US-20040122886-\$ or US-20020124037-\$ or US-20020107900-\$).did. or (US-5880983-\$ or US-6275838-\$ or US-5880984-\$ or US-5375078-\$ or US-4999802-\$ or US-5341321-\$ or US-7058830-\$ or US-6697833-\$ or US-6751644-\$ or US-5471410-\$ or US-6970994-\$ or US-7228325-\$ or US-RE39385-\$ or US-6480872-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2009/03/12<br>10:41 |
| S55 | 15 | S54 and align\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/12<br>10:41 |

**EAST Search History (I nterference)**

&lt; This search history is empty &gt;

**9/ 24/ 2009 1:18:45 PM****C:\ Documents and Settings\ cdo\ My Documents\ EAST\ Workspaces\ 10821606.w sp**